For Utility/Design CIP/PCT Nati nal Original/Substitute/ Supplem ntal Declarati ns

### Rul 53(b) (37 C.F.R. § 1.53(b)) COMBINED DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Atty. Docket No.: 98-39 C1

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name, and

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

METHOD AND APP	ARATUS FOR DETE	RMINING CARDI	AC OUTPUT				
the specification of which (Check applicable Box(es)):  is attached hereto,  was filed on:  June 14, 2002  was filed as PCT International Application No. PCT/  was amended on:  June 14, 2002 (by Preliminary Ame			as U.S. Appln. No.	: 10/172,271 on			
	I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose all information known to me to be material to patentability as defined in 37 C.F.R. § 1.56.						
below any foreign applic	ation for patent or inventor	's certificate filed by n	ne or my assignee disclosing the	or inventor's certificate listed below and less subject matter claimed in this application filing date of this application.			
Prior Foreign Application	on(s)	Filed	Date First Laid Open	Dated Patented or	Priority Claimed		
Number(s)	Country	(MM/DD/YY)	or Published	Granted	Yes No		
	<u> </u>		<b>i</b>		<u> </u>		
I hereby claim the benefi	t under Title 35, United St	ates Code, § 119(e) of	any United States provisional a	pplication(s) listed below.			
Number(s)		Filing Date (MM/D	D/YY)	······································			
09/691,595		October 18, 2000					
60/161,120		October 22, 1999	•				
I hereby claim domestic priority benefit under 35 U.S.C. § 119/120/365 of the indicated United States applications listed below and PCT international applications listed above or below and, if this is a continuation-in-part (CIP) application, insofar as the subject matter disclosed and claimed in this application is in addition to that disclosed in such prior applications, I acknowledge the duty to disclose all information known to me to be material to patentability as defined in 37 C.F.R. § 1.56 which became available between the filing date of each such prior application and the national or PCT international filing date of this application:							
Application Number		Filing Date (MM/DI	D/YY)	Status (patented, pending, abandoned)			
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.							
And I hereby appoint the following attorney(s) and/or agents(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith: Michael W. Haas, Reg. No. 35,174							
Address all correspondence to Customer Number:		ner Number:	30031				
(1) Inventor's Signature				Date:			
Full Name	e: Eric W. Starr	<del></del>		Citizenship: USA			
			State: Pennsylvania	Country: USA	/		
Post Office Address		e, Allison Park, Penns					
	^	$\wedge$					
(2) Inventor's Signature: V Dernard Tennack Date: V 12/8/2003							
Full Name				Citizenship: USA			
Residence			State: South Carolina	Country: USA	·		
Post Office Address: 1 Oyster Catcher, Hilton Head Island, South Carolina 29928, USA							

(Additional inventors are being named on the supplemental additional inventor(s) sheet(s) RI-116-2 attached hereto)

Attorney Docket No.: 98-39 CI
Title: METHOD AND APPARATUS FOR DETERMINING
CARDIAC OUTPUT

#### **DECLARATION AND POWER OF ATTORNEY**

(Continued)

#### **ADDITIONAL INVENTORS**

(3) Inventor's Signature:		Date:
Full Name: Mouhyieldin Kandis		Citizenship: USA
Residence: City: Haledon	State: New Jersey	Country: USA
Post Office Address: 14 Ford Road, Haledon, New Jersey, 0750		
(4) Inventor's Signature:		Date:
Full Name:		Citizenship:
Residence: City:	State:	Country:
Post Office Address:		
· · · · · · · · · · · · · · · · · · ·		
(5) Inventor's Signature:		Date:
Full Name:		Citizenship:
Residence: City:	State:	Country:
Post Office Address:	·	
(6) Inventor's Signature:		Date:
Full Name:		Citizenship:
Residence: City:	State:	Country:
Post Office Address:		
(7) Inventor's Signature:	·	Date:
Full Name:		Citizenship:
Residence: City:	State:	Country:
Post Office Address:		
(8) Inventor's Signature:		Date:
Full Name:		Citizenship:
Residence: City:	State:	Country:
Post Office Address:		
(9) Inventor's Signature:		Date:
Full Name:		Citizenship:
Residence: City:	State:	Country:
Post Office Address:		

For Utility/Design CIP/PCT Nati nal Original/Substitute/ Supplemental Declarations

## Rule 53(b) (37 C.F.R. § 1.53(b)) COMBINED DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Atty. Docket No.: 98-39 C1

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name, and

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

THE RESERVE OF THE PARTY OF THE						
METHOD AND APPARATUS FOR DETI	RMINING CARDIA	C OUTPUT				
the specification of which (Check applicable Box(s) is attached hereto,  was filed on: June 14, 2002	10/172,271					
was filed as PCT International Appl	ication No. PCT/		on			
was amended on: June 14, 2002	(by Preliminary Amenda	nent)				
I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose all information known to me to be material to patentability as defined in 37 C.F.R. § 1.56.  I hereby claim foreign priority benefits under 35 U.S.C. 119/365 of any foreign application(s) for patent or inventor's certificate listed below and have also identified						
below any foreign application for patent or invento date (1) before that of the application on which pri	r's certificate filed by me	or my assignee disclosing the	subject matter claimed in this application	on and having a filing		
Prior Foreign Application(s)	Filed	Date First Laid Open	Dated Patented or	Priority Claimed		
Number(s) Country	(MM/DD/YY)	or Published	Granted	Yes No		
I hereby claim the benefit under Title 35, United S			oplication(s) listed below.			
Number(s)	Filing Date (MM/DD/	YY)				
09/691,595	October 18, 2000	October 18, 2000				
60/161,120	October 22, 1999		<u></u>			
listed above or below and, if this is a continuation- disclosed in such prior applications, I acknowledge became available between the filing date of each so	e the duty to disclose all in uch prior application and	nformation known to me to be the national or PCT internation	material to patentability as defined in 3 material filing date of this application:	7 C.F.R. § 1.56 which		
Application Number	Filing Date (MM/DD/	YY) ·	Status (patented, pending, abandor	ied)		
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.						
And I hereby appoint the following attorney(s) and herewith: Michael W. Haas, Reg. No. 35,174	or agents(s) to prosecute/	this application and to transa	ct all business in the Patent and Tradem	ark Office connected		
Address all correspondence to Custo	mer Number:	30031	•			
	· // ·			25 St. 12 St. 1 St. 1 St. 1		
(1) Inventor's Signature: \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			Date: 12/8/03			
Full Name: Eric W. Starr	· · · · · · · · · · · · · · · · · · ·		Citizenship: USA			
Residence: City: Allison Park		tate: Pennsylvania	Country: USA			
Post Office Address: 3135 West Wind Dr	ve, Allison Park, Pennsyl	vania, 15101, USA		·		
200.0000						
(2) Inventor's Signature:			Date:			
(2) Inventor's Signature:  Full Name: Bernard Pennock			Citizenship: USA			
	Island S	state: South Carolina				

Attorney Docket No.: 98-39 C1
Title: METHOD AND APPARATUS FOR DETERMINING
CARDIAC OUTPUT

#### **DECLARATION AND POWER OF ATTORNEY** (Continued) ADDITIONAL INVENTORS

(3) Inventor's Signature:			Date:
Full Name:	Mouhyieldin Kandis		Citizenship: USA
Residence:	City: Haledon	State: New Jersey	Country: USA
Post Office Address:	14 Ford Road, Haledon, New Jersey, 07508	8, USA	
		*	
(4) Inventor's Signature:			Date:
Full Name:			Citizenship:
Residence:	City:	State:	Country:
Post Office Address:		<del></del>	
(5) Inventor's Signature:			Date:
Full Name:			Citizenship:
Residence:	City:	State:	Country:
Post Office Address:			
(6) Inventor's Signature:	•		Date:
Full Name:			Citizenship:
Residence:	City:	State:	Country:
Post Office Address:			
· .			
(7) Inventor's Signature:			Date:
Full Name:		··· ·· ·· · · · · · · · · · · · · · ·	Citizenship:
Residence:	City:	State:	Country:
Post Office Address:		<del></del>	
	·.	, , , , , , , , , , , , , , , , , , , ,	
(8) Inventor's Signature:			Date:
Full Name:			Citizenship:
Residence:	City:	State:	Country:
Post Office Address:			
(9) Inventor's Signature:			Date:
Full Name:			Citizenship:
Residence:	City:	State:	Country:
Post Office Address:			
•	· · · · · · · · · · · · · · · · · · ·		

For Utility/Design
CIP/PCT National
Original/Substitute/
Supplemental
Declarations

# Rul 53(b) (37 C.F.R. § 1.53(b)) COMBINED DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Atty. Docket No.: <u>98-39 C1</u>

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name, and

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

matter which is claimed	and for which a patent is so	ought on the invention	entitled:			
METHOD AND APP	ARATUS FOR DETE	RMINING CARDI	AC OUTPUT			
the specification of which (Check applicable Box(es)):    is attached hereto,   was filed on: June 14, 2002   was filed as PCT International Application No. PCT/   was amended on: June 14, 2002 (by Preliminary Amer			as U.S. Appln. No.	: 10/172,271 on		
<del>-</del>			ve identified specification, inclu	 uding the claims, as amended b	v any amendment referred to	
above. I acknowledge the I hereby claim foreign probelow any foreign applic	e duty to disclose all information to discribe the discriberate of the discriberation for patent or inventor to the discriberate of the discribera	nation known to me to S.C. 119/365 of any fo's 's certificate filed by r	to be material to patentability as oreign application(s) for patent one or my assignee disclosing the if no priority claimed, before the	defined in 37 C.F.R. § 1.56. or inventor's certificate listed be e subject matter claimed in this	elow and have also identified application and having a filit	
Prior Foreign Applicati	on(s)	Filed	Date First Laid Open	Dated Patented or	Priority Claim	
Number(s)	Country	(MM/DD/YY)	or Published	Granted	Yes No	
						<b>↓</b>
		<u> </u>		<u>l</u>		
I hereby claim the benefit	t under Title 35, United St	ates Code, § 119(e) of	any United States provisional a	application(s) listed below.		
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09/691,595		October 18, 2000	October 18, 2000			
60/161,120		October 22, 1999				
disclosed in such prior a	pplications, I acknowledge	the duty to disclose a	ion, insofar as the subject matte Il information known to me to b and the national or PCT internati	e material to patentability as de	efined in 37 C.F.R. § 1.56 wh ion:	ich
Application Number		Timing Date (minute				
that these statements we 1001 of Title 18 of the U	re made with the knowledg Inited States Code and that e following attorney(s) and	e that willful false states such willful false state	e true and that all statements matements and the like so made and tements may jeopardize the validute this application and to trans	e punishable by fine or impriso lity of the application or any p	national or both, under Section patent issued thereon.	n.
Address all correspondence to Customer Number:			30031			
(1) Inventor's Signature:			Date:		,	
Full Nam	e: Eric W. Starr		•	Citizenship: USA		
Residenc			State: Pennsylvania	Country:	USA	!
Post Office Addres	s: 3135 West Wind Dri	ve, Allison Park, Penn	sylvania, 15101, USA		<del></del>	
(2) Inventor's Signature	<u> </u>			Date:		
Full Nam	e: Bernard Pennock			Citizenship: USA		
Residence		Island	State: South Carolina	Country:	USA	
Post Office Address			h Carolina 29928 IISA			

(Additional inventors are being named on the supplemental additional inventor(s) sheet(s) RI-116-2 attached hereto)

Attorney Docket No.: 98-39 C1
Title: METHOD AND APPARATUS FOR DETERMINING
CARDIAC OUTPUT

### **DECLARATION AND POWER OF ATTORNEY** (Continued) ADDITIONAL INVENTORS

(3) Inventor's Signature: •	Mouhyieldin H	andis	Date: 12/13/03	
Full Name:	Mouhyieldin Kandis		Citizenship: USA	
Residence:	City: Haledon	State: New Jersey	Country: USA	
Post Office Address:	14 Ford Road, Haledon, New Jersey, 0750	B, USA		
·			_	
(4) Inventor's Signature:			Date:	
Full Name:			Citizenship:	
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Post Office Address:				
		,		<del></del>
(5) Inventor's Signature:			Date:	-
Full Name:			Citizenship:	
Residence:	City:	State:	Country:	
Post Office Address:			<u></u>	
(6) Inventor's Signature:			Date:	
Full Name:			Citizenship:	
Residence:	City:	State:	Country:	
Post Office Address:	<u> </u>	<u> </u>		
(7) Inventor's Signature:			Date:	
Full Name:			Citizenship:	
Residence:	City:	State:	Country:	
Post Office Address:			<u> </u>	
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(8) Inventor's Signature:			Date:	
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Post Office Address:		·		
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Full Name:			Citizenship:	
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